

INHIBITORS OF BINDING BETWEEN PROTEINS AND MACROMOLECULAR LIGANDS

ABSTRACT OF THE DISCLOSURE

Disclosed is a compound which inhibits binding between a target protein and a
5 macromolecular ligand of the target protein. The compound comprises a targeting group,
an attaching group and, optionally a linker group. In one aspect of the invention, the
targeting group is a moiety that binds non-covalently to a surface of the target protein
with a K_d of greater than about $0.1 \mu\text{M}$ and within sufficient proximity to the target
protein/macromolecular ligand binding site to inhibit binding between the target protein
10 and the macromolecular ligand. In another aspect of the invention, targeting group is
degradable *in vivo*. In yet another aspect of the invention, the compound comprises a
linker group that is cleavable *in vivo*.